



Tuesday, April 26, 1949



Commissioner Pike pointed out that a recent survey of so-called

(Continued On Page 4)

Y-12 Bulletin

Published Weekly By
Carbide And Carbon Chemicals
Corporation
Post Office Box P
Oak Ridge Tenn.

GEORGE W. DOBBS . . . Editor

OFFICE
North Portal, Bldg. 9701-1
Telephone 7-8252

Deadline Near In New York Picture Contest

Amateur photographers in Y-12 and other Carbide and Carbon Chemicals Corporation installations in Oak Ridge are cautioned that time to enter pictures in the Union Carbide Camera Club picture contest in New York is growing short. All entries for the contest, set for May 19, must be in New York not later than May 10.

The contest is open to all employees of units of Union Carbide and Carbon Corporation and all entrants may submit one picture each. The pictures may be large or small, but must be mounted on a cardboard mount, 16 by 20 inches. Only black and white pictures will be eligible for prizes but these may be toned if desired. The name of the entrant, home address and company name should be clearly printed on back of the mount.

Entries should be carefully wrapped for mailing and sent to the Print Committee, Union Carbide Camera Club, 30 East 42nd St., New York, 17, N. Y. All prints received will be placed on display.

The best picture in the show to be designated as "picture of the year" will earn a handsome sterling silver trophy from Tiffany's for its owner. Three other valuable prizes and three honorable mentions also will be bestowed.

Two Y-12 Men Cast In Radio Play Saturday

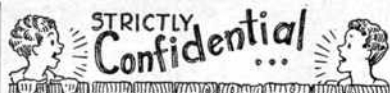
Two Y-12 employees will participate in a special broadcast at 7:30 o'clock Saturday night over WATO on a program with the objective of telling radio audiences of the attributes of Tennessee. The program is Ted Yakimchick's weekly "The Yak's Sports Parade," and the participating Y-12 employees are Evan Means, Dept. A14N; and Paul C. Ziemke, Dept. A13J.

The program is sponsored by the Oak Ridge Sportsmen's Club and will be presented in an historical manner with performers playing the roles of persons prominent in the early history of the state. Means is cast as John Sevier and Ziemke as Stephen Holston in the playlet. Others on the program and the characters they will depict include Ralph Boden as Daniel Boone, G. W. Weatherlee as David Crockett, R. E. Alexander as George Rogers Clark, David Jacobs as Merriweather Lewis and Dale Lockren as William Clark.

Questions will be passed during the playlet covering such points of interest in the state as the Tellico National Forest, improvements made by the Tennessee Valley Authority, the Smoky Mountains and other subjects. The historical characters are depicted as having made a recent survey of the state and will be asked if it has improved since the Indians were here.

NEW THEORY ADVANCED

Dr. John B. Graham and Dr. Ruth M. Graham, of the University of Oregon Medical School, have reported to the National Academy of Sciences on experiments indicating possibility in future of making individuals more resistant to radiation. Conclusions of the preliminary reports by the Grahams maintain that the response of a person to radiation can be made more or less. This theory is contrary to the general assumption now held by most scientists.



Helen Grady, Dept. H12D, returned recently after spending her vacation with her parents in Benton Harbor, Mich. . . . Virginia Bowers spent a recent week end with her mother in Newport, Tenn. Bob and Idana Devinish, Dept. A13W, made a week-end trip to Cincinnati to visit with relatives.

P. C. Ziemke and his family made a Sunday drive to Kingsport, Tenn., and on their return stopped at Jefferson City to tour the American Zinc Co. . . . Get well wishes are extended to Mollie Hatfield, who is on the sick list . . . C. E. Johnson and his wife and some friends motored to Gatlinburg and through the Smokies recently.

Robert Cantrell, Dept. A12L, and his family traveled to Sylva, N. C., to visit with relatives.

J. C. Little, Dept. A12W, and his family made a week-end trip to Lincoln, N. C.

June Wilkerson, Dept. A14J, is back on the job after a vacation spent at Miami Beach, Fla., but reports her planned sun tan turned out to be a good roasting and so far she has managed to lose one coat of skin . . . K. S. Fugate is vacationing in Louisville, Ky.

Dept. A22J welcomes Ava Merle Jackson back on the job after a few days of illness in the Oak Ridge Hospital.

Maola Conner, Dept. A12M, visited with school pals in Lebanon, Tenn. . . . Yale Payne is on the vacation list.

C. L. Riggs, Dept. B12L, is back on the job after spending his vacation spring cleaning at his home in Knoxville . . . Don Musser, the big time checker player, is sporting a brand new blue Ford these days.

W. T. Hays, Dept. A23J, and his family visited with relatives in Puryear, Tenn., and his mother returned with them to Oak Ridge for a visit.

Robert Parks, who is working in Dallas, Tex., visited his daughter, Martha Parks, Dept. A12P, and her mother over the Easter holiday . . . Graham Rudolph and her husband had as their recent guest, Herman Lillie, of Franklin, Tenn.

Billy Dillon, son of W. J. Dillon, Dept. H12L, was in the cast of the play "Many Moons" produced at the Oak Ridge High School last week.

Virginia Smith, Dept. A12D, spent Easter in Kingsport, Tenn., with her sister.

C. M. Dinny, Dept. M12P, and his family returned recently after vacationing in Portageville, Mo. Some of their time was spent fishing at Wappapello Lake . . . Lennie Nicely has returned from a vacation interlude spent at Miami Beach, Fla. . . . Ralph Ford and his family spent last week in Gate City, Va. . . . Garnette Adams and her husband made a week-end trip to Union City, Tenn., to visit with her parents . . . Ethel Rose spent last week resting at her home in Oak Ridge . . . Mary Cooper is back on the job after vacationing in Lake City, Tenn. . . . F. A. Gragg's ability to become one of the top notch bowlers of Y-12 and also Oak Ridge might be attributed to the fact that Lady Luck helps him out. He found 17 four leaf clovers the other morning while waiting on the work bus.

During his vacation R. P. Wallace, Dept. A12G, plans to visit in Columbus and Dayton, Ohio, and also points of interest in Michigan . . . R. L. Johnson is spending a quiet vacation at his home in Knoxville . . . Get well wishes are extended to C. H. Jewell, who is recuperating at his home in Oak Ridge after undergoing an operation at the Oak Ridge hospital.

Frank Darby, Dept. A14N, went fishing at Cherokee Lake recently and reports a nice catch of crappie and bass . . . Fletcher Watson did a little carpenter work on his cabin at Norris Lake during his vacation . . . Mike Getsi visited with relatives in Virginia last week.

T. H. Booth, Dept. A12S, attended the funeral of his brother-in-law in Nashville, April 18. We extend sympathy . . . J. H. Sharp is confined at his home in LaFollette due to illness . . . Deepest sympathy is extended to Claude Walker,



WELL-KNOWN Y-12 EMPLOYEES WHO ARE PROMINENT IN ACTIVITIES OF THE OAK Ridge Lions Club are pictured above as they met Ernest Briggs, president of Lions International, in a club function Monday night, April 21. Left to right are Joe Preslar, Wes Mercner, C. P. Keim, Briggs, Russ Baldock, E. L. Olson and Wes Savage. Most of the Y-12 men are nominees for office in the annual election set for May 23. Preslar is a nominee for lion tamer, Mercner has been proposed for tail twister, Keim for president, Baldock for director and Savage for first vice-president, treasurer and member of the board of directors.



McWILLIAMS-BENNETT

Miss Charlotte Ann Bennett, a Y-12 employee in Dept. M12P, and Ralph McWilliams, employed by the Roane Anderson Co., were married at 5:30 p. m., April 9, at the Central Methodist Church in Asheville, N. C. The Rev. Lee Tuttle, pastor of the church, officiated at the double ring ceremony.

The bride is the daughter of Mr. and Mrs. S. D. Bennett, of Mt. Dora, Fla., and the groom is the son of Mrs. Frank McWilliams, of Shawnee, Tenn.

At her wedding the bride wore a light blue crepe dress with navy blue accessories with an orchid corsage.

Mrs. Louise Aiken, of Asheville, was matron of honor. Best man was James F. Garland, of Erwin, Tenn.

Following a honeymoon in Asheville, the couple is living at 273 Vermont Ave., in Oak Ridge.

COMBS-JOYCE

Miss Elva Lorena Joyce, Dept. B12L, became the bride of Theron Ralph Combs, an agriculture teacher in Parrottsville, Tenn., at 12:30 p. m., April 16. The wedding took place at the parsonage of the First Methodist Church in Maryville, Tenn., with Dr. E. E. Wiley officiating.

The bride is the daughter of Mr. and Mrs. James Joyce, of Knoxville. Combs is the son of Mr. A. V. Combs, of Rutledge, Tenn., and the late Mrs. Combs.

At her wedding the bride wore a navy blue dress with navy blue shoes and purse and pink gloves and hat and a corsage of pink rose buds.

Mrs. Lorene Clapp, sister of the groom, was maid of honor and her husband, Ross, was best man.

Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital recently: Charles C. Bridges, Dept. M12P; Betty Jane Sherman, Dept. B12L.

AEC BUYS INSTRUMENTS

A contract for the manufacture of electronic instruments and devices has been signed with the Bendix Aviation Corp., Kansas City, by the Atomic Energy Commission.

whose father died in Concord, Tenn., April 13.

Ruth Scheithin, Dept. H12D, was honored with a linen shower on April 18 at 102 East Pasadena Road. Hostesses were Mary Barnes and Virginia Bowers. Among the guests were: Virginia Spivey, Emily Lord, Lucille Murphy, Wilma West, Elizabeth Young, Thelma Gloseclose and her daughter, Pattie, Helen Grady, Jean Rogers, Jayne Kelly, Millie Tilson, Louise Ward, Ruth Rogers, Merle Murphy and Jean Davis.



Miss Carolyn Kirk

Howard Hooper Is Chairman Of Chest Budget Committee

A committee of 20, headed by Howard Hooper as chairman, will draw up the budget for the 1949 Oak Ridge Community Chest campaign to be held in October. The Chest board of directors selected Hooper as budget committee chairman at a meeting last Tuesday.

The committee will be composed of 10 members of the Chest board of directors and 10 non-board members. Chairman Hooper is an Oak Ridge insurance man and has been active in community affairs since 1943.

125 Apartments To Get Paint Jobs

Approximately 125 apartment houses in the western section of Oak Ridge will receive new exterior paint jobs within the next four months, it has been announced by Roane Anderson Co. The Tri-City Painting Co., Davenport, Iowa, submitted the low bid for the project of \$40,032.

Commercial buildings in nine areas also will be painted during the coming months and Roane-Anderson received bids for this work April 25.

Listening Group Resumes Programs

Miss Estelle Hays, formerly of Y-12 and one of the co-chairmen of the Music Listening Group, will resume the recorded concerts April 28, following the successful presentation of Rossini's "Barber of Seville."

Miss Hays, an AEC employee, will present selections from "La Boheme" and "Madame Butterfly," three rhapsodies for piano by Brahms, and the Bruch violin concerto. Following intermission, Smetana's tone poem "The Moldau" and Stravinsky's ballet suite "Petrouchka" will be presented.

The program, at 8 p. m. in the East Lounge of the Ridge Recreation Hall, is free to the public.



HOLT-KIRK

The engagement and approaching marriage of Miss Carolyn Kirk, a Y-12 employee in Dept. A12S, to Lieut. James Franklin Holt has been announced.

The bride-elect is the daughter of Mrs. J. E. Kirk, of Oak Ridge,

and the late Mr. Kirk. Lieutenant Holt, who is stationed at Newburgh, N. Y., is the son of Mr. and Mrs. J. S. Holt, of Clinton, Tenn.

The date and place of the wedding, which will be held sometime in July, will be announced later.

New Negro Housing Projects Will Be Completed January 1

The more than \$2,000,000 housing program for Negroes in Oak Ridge is scheduled to be entirely completed by January 1 next year with seven dormitories and 286 single family duplex dwelling units provided in addition to new cafeteria, recreation and school facilities, it has been announced by the Atomic Energy Commission. A grocery, drug store and barber shop are among other conveniences being prepared for the Negro section in Gamble Valley, the AEC has stated.

The 286 dwelling units in Gamble Valley will be constructed by the T. C. Bateson Construction Co., Dallas, Tex., which submitted the low bid of \$1,599,492 for the project. The seven dormitories are under construction by the John A. Johnson and Sons Co., Inc., of New York and Oak Ridge, at a cost of \$517,000. Work also is underway on 15 single-type houses in the area.

Coffee Concert Set By Musical Group

Members of the Oak Ridge Civic Music Association are invited to another of a series of coffee concerts at 8:15 p. m., Sunday, May 1, in the East Lounge of the Ridge Recreation Hall.

Mrs. James English, pianist, will play Beethoven's Sonata, Opus 49, No. 2; Impromptu, Opus 142, by Schubert; En Bateau, by Zeckwer; and Dances Fantastiques No. 2, by Shostakovich. Lyric soprano solos will be offered by Mrs. Marvin S. Lisso, accompanied by Robert S. Siebert on the piano. She will sing Wie Melodien Zieht Es Mir, by Brahms; Meine Lieder, also by Brahms; and two Schumann numbers, Seit Ich Ihn Gesehen and Er, Der Herrlichste Von Allen.

The Brahms clarinet quintet, Opus 115, will be presented by the ensemble composed of Rodney Shaffer, clarinet; Alice Lyman and Mrs. Alan D. Conger, violins; Raymond Blanco, viola; and Waldo Cohn, cello.

'Tiller's Terrible Trumpet' Found Useful Timing Basketball Games

Back in the early days of the recent basketball season last winter the athletes performing for plant league teams in games at the Scarborough School gymnasium frequently complained that an ordinary whistle



Y-12 Photos By Vince Moore

EVEN "INVENTOR AND DESIGNER" ARNOLD TILLER, Y-12 Recreation Supervisor, cringes from the sounds emitted by his home-made timing and sounding-off machine built for the past basketball season. The machine (right) had just been completed and was being given its first trial when the picture was made.

tooted by timers at the games could not be heard over the din of combat and cheers of spectators.

That was when Arnold (Little Willie Westinghouse, Jr.) Tiller, Y-12 Recreation Supervisor got busy. Tiller is quite handy with tools in fashioning usable items from scrap material and equipment not nailed down. After a few hours work he turned out a device known as "Tiller's Terrible Trumpet" that soon became known to all basketball players and fans for its effectiveness in making wierd sounds.

(Editor's Note—The "trumpet" was constructed long before Tiller suffered his unfortunate accident that resulted in a broken arm in a basketball game. This definitely is to refute any implications that certain colleagues "ganged up" on him for having inflicted the results of his inventiveness on his compatriots.)

Tiller has made quite a number of gadgets for his own home use—his most recent to draw attention being two table lamps in which the sports-minded Y-12 Recreation Supervisor utilized discarded athletic equipment—including a softball, golf ball, baseball and a boy's top. News of this feat was publicized in The Y-12 Bulletin in November, 1947.

Here's What Was Used

First came the problem of material and equipment—but since the device he had in mind was for plant recreation use Tiller had no trouble assembling his needs. They included:

An interval timer formerly used by the Carbide Camera Club.

An electric horn once used by the Guard Department.

A wooden box fabricated from scrap lumber in the Carpenter Shop with the aid of Ernie Cobble, one of Y-12's top bowlers.

A salvaged battery.

Assorted pieces of tin, wire, screws and other minor items.

Just Like Rube Goldberg

Then Tiller put them all together. First he gimmicked around with the timer and attached a bit of metal here and another there. The timer then was mounted on the box that contained the battery and horn. Just like an alarm clock, when the timer reached a set time it sounded its bell—a tripper on the alarm winder hit a switch that in turn sounded the horn. Rube Goldberg in his best days could not have topped this creation.

The results—nearly everyone in the North Portal anywhere in the vicinity of the Recreation Office where the infernal (it was called worse than that) machine was created had the screaming meemies for minutes after it sounded off.

Funny Sounds In The Night

In full blast the contrivance gave out sounds resembling a combination of an alarm clock in the ear of a sleepy worker at 5 a.m., the bleat of a Diesel engine, the outraged bellow of a bull moose and what many persons have imagined an atomic bomb might sound like.

SPORTS NEWS

Diamond Drills Continue; Good Seasons Seen

Both baseball and softball players in Y-12 took advantage of every opportunity last week to hold practice sessions in preparation for the opening of diamond seasons in the near future. The plant softball season will open Monday night, May 9, at the Administration Field, while the baseball inaugural of an Oak Ridge City League has not yet been finally set.

Interesting Season Is Predicted

Practice games already are being staged by the plant softball loop teams and a banner season is anticipated as the preliminary contests have revealed a lot of talent on all teams. Few scores were kept but the competition has been close in the practice tilts and an interesting season is predicted by all observers.

Weather permitting, the following schedule for the coming week has been announced by Recreation Supervisor Arnold Tiller with all sessions scheduled for the Administration Field:

Wednesday, April 27

6 p. m., Bums vs. Rippers.
7:15 p. m., Calutrons vs. Hit Balls.
8:30 p. m., Bldg. 9212 vs. All Stars.

Friday, April 29

6 p. m., Bldg. 9212 vs. All Stars.
7:15 p. m., Isotopes vs. Rippers.
8:30 p. m., Bums vs. One-91.

Monday, May 2

6 p. m., Isotopes vs. One-91.
7:15 p. m., Bums vs. Hit Balls.
8:30 p. m., Rippers vs. Calutrons.

Plans are underway for a formal opening for the plant league softballers when the season opens May 9. Details for the affair will be announced next week in The Y-12 Bulletin.

25 At Baseball Practice

Turning to baseball, Manager Bill Burns of the Y-12 Cardinals was well pleased over the turnout of about 25 candidates at a practice session last Wednesday. However, he stressed that all positions on the team still are open and urges any Y-12 employee who wants to try for the team to report for practice.

Pilot Burns has called his charges out for more workouts at 5:30 o'clock Wednesday and Friday afternoons and at 2 o'clock Saturday afternoon at Oakwood Park No. 2.

Three old men were discussing the ideal way of death. The first, aged 75, said he'd like to crash in a car going 80 miles per hour. The second, 85, said he'd take his finish in a 400-m.p.h. plane. "I've got a better idea," said the third, aged 95: "I'd like to be shot by a jealous husband."

12 Women Bowlers From Y-12 Will Attend Association Meet

An even dozen Y-12 women bowlers have made reservations to attend the banquet scheduled for 3:30 tonight by the Oak Ridge Women's Bowling Association, according to Katherine Jenkins, Y-12 representative on the association. The affair will be given at the Oak Terrace.

In addition to Miss Jenkins, other Y-12ers expected to attend the banquet will include Corene Snyder, Earlene Elder, Mildred Johnson, Hazel Wiggins, Ethel Bow, Nazy Carson, Dorothy Ditty, Dell Walker, Mozelle Kennedy, Evelyn Frazier and Evelyn Tucker.

The association will elect officers for the coming season at the banquet. Entertainment has been arranged and each guest will receive a favor.

Varsity Keglerettes Win Two To Capture Fourth Place

The Y-12 women's varsity bowling team advanced to fourth place in the Oak Ridge City League last Thursday night by taking two out of three games from the Sure Shots. Only two more weeks of competition remains in the loop and the Y-12 lassies will roll Roane-Anderson this Thursday night. Y-12 has a record of 51 wins and 42 losses for the season.

Inez Reece topped the Y-12 team last week with a 427 series. Other individual scores were Olyne Poin-dexter 402, Margaret O'Neal 369, Daisy Ward 365 and Nancy Doane 343.

Games scores last Thursday showed Y-12 with 634, 612 and 660 for a total of 1,906 while the Sure Shots posted 661, 607 and 609 for 1,877.

Y-12 Golf League Rules Make Competition Even; Players Must Qualify Before May 2 For Handicap

Rules for play intended to equalize golf scores and make competition closer and more interesting in the proposed Y-12 golf leagues were adopted at a meeting last Thursday attended by Recreation Supervisor Arnold Tiller, Nelson Tibbatts, Floyd Ludwig and Harold Ratjen.

Play will be on a handicap basis decided by qualifying scores for a minimum of 36 holes to be posted before May 2 at the Oak Ridge Golf and Country Club. The low scorer in the qualifying will play from scratch and the handicaps will range upward to a maximum of 18 strokes. With only a few days left to post these qualifying scores, all Y-12 divot diggers are urged to get busy and become eli-

gible for seasonal play.

After the handicaps are arranged, the players will be divided into four classifications, depending on their qualifying scores. Pairings for teams then will take place with Class A golfers being required to select a partner from the Class D ranks and Class B players choosing a Class C partner.

After teams are formed the entries will be placed in a hat and a drawing held. The first eight teams drawn will constitute one league, the second eight teams will form another league and the drawing will continue until all teams entered are placed in a league.

League competition will be in match play with handicaps prevailing. Two points will be al-

Vic Defenderfer Wins Checker Championship From Don Musser

Some of the best checker playing revealed hereabouts in many moons was displayed by finalists in the Y-12 checker tournament last Wednesday night in the Employment Office, North Portal, with Vic



Y-12 Photos By Vince Moore

THESE Y-12 CHECKER PLAYERS WERE GETTING DOWN to serious business when this picture was made during the plant tournament that was concluded last week with Vic Defenderfer, far left, winning the tournament title from Don Musser, second from right. At Defenderfer's left are Arnold Tiller and Troy Elmore. Earl Fritz is at Musser's left, while Frank Knox is at his right.

Defenderfer, Dept. H12E, sweeping to victory over Don Musser, Dept. B12L. The champion took four victories and one tie in a best four out of seven game match to win the title.

11 Women Netters Of Y-12 Begin Ladder Tourney Play

With 11 players on the ladder, play already is underway by Y-12 women tennis players with competition expected to be keen throughout the season. The original positions on the ladder were determined by draw and naturally does not indicate the ability of the player as compared to others on the list.

The original drawing placed Helen Burkhalter first, followed in order by Phyllis Brown, Ann Hart, Elizabeth Patrick, Mozelle Kennedy, Virginia Spivey, Lovelle Thompson, Joan Gilliam, Mozelle Rankin, Mary Freestone and Desma Hutchison. Any player may challenge any other player ranked in the next two positions above.

Any women tennis players in Y-12 who have not yet entered the tournament and who wish to do so is urged to communicate with the Y-12 Recreation Office, North Portal, telephone 7-8252. Leading players in the ladder tournament will represent the plant in the Oak Ridge City League.

More Men Tennis Players Needed For Y-12 Activities

More men tennis players are urged to communicate with the Y-12 Recreation Office, North Portal, and signify their intention of competing in the plant tennis ladder tournament, from which a plant team will be selected to play in the Oak Ridge City League.

Only eight players so far have reported ready to play and any others wanting to compete are asked to report at once so that a schedule of play can be arranged for the season.

There is a reason for all Y-12 security regulations—observe them.

Rathenkamp Asks Early Entry For Small Bore Rifle Shoot

The annual Atomic City open small bore rifle tournament will be held at the Oak Ridge Sportsmen's Club Sunday, May 1, club officials have announced.

Bill Rathenkamp, Dept. H12L employee in Y-12, is chief rifle instructor for the club and any rifleman in Y-12 who wish to enter the tournament are urged to communicate at once with Rathenkamp at telephone 7426 during the day and 5-9103 after 5 p. m. Early entries are desired by the club so that various events can be arranged for the program.

In addition to a large number of Oak Ridge marksmen, many entries are expected from nearby cities.

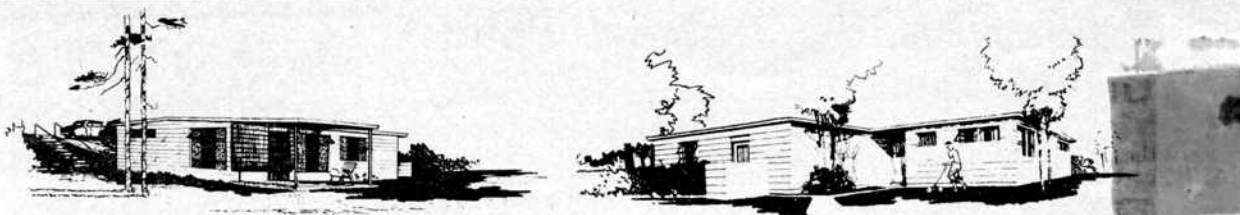
Tunnell Has Perfect Mark In Test

In addition to the six Y-12 employees listed last week as having passed an examination to become a junior navigator under qualifications prescribed by United States Power Squadron, it has been announced by the Oak Ridge Power Squadron that W. C. (Bill) Tunnell, Dept. A12W, achieved the unusual grade of 100 per cent in passing the test.

Tunnell scored the only 100 per cent mark of all the Oak Ridgers taking the examination and because of the toughness of the test it is expected that special recognition will be given him by the United States Power Squadron.

**CARBIDE AND CARBON
CHEMICALS CORPORATION**
P. O. Box P.
Y-12 Area
Oak Ridge, Tenn.
(RETURN POSTAGE GUARANTEED)

Sec. 562, P.L.&R.
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 3



PRELIMINARY WORK HAS BEEN STARTED BY THE JOHN A. JOHNSON CO., CONTRACTORS OF Oak Ridge and New York, on 500 permanent housing units in Oak Ridge. Shown above are architect's drawings of the two types of houses to be built. At left is the exterior of the two-bedroom house, while the outside of the three-bedroom residence is shown at the right. Of the 500 houses planned, 300 will be of the two-bedroom type and the remainder three-bedroom. The entire project, including construction of all utilities, drainage and streets, will cost \$6,531,373. A portion probably will be built of concrete block for exterior walls and another portion constructed with steel frame and concrete exterior face.

Absenteeism Drops Fourth Week In Row

(Continued from Page 1)
ported 1.6 per cent of its personnel absent.
Dept. A14N Takes First Place
In the Major League Dept. A14N, Electrical Equipment Repair and Maintenance, advanced from second to first for the week ending April 17 by reporting an absentee mark of only .5 per cent. Dept. A16N, Maintenance Shops, skipped all the way from 11th position to second with .9 per cent absenteeism. Dept. A20N, Field Maintenance, which has been around the top for several weeks and was in first place for the week ending April 10, dropped to third place with an absentee mark of 1.5 per cent.
The Y-12 absentee record for the week ending April 17, by departments, follows:

MAJOR LEAGUE				
Dept.	Percentage Absent	4-17-49	4-10-49	Standing
A14N	0.5	1	2	1
A16N	0.9	2	11	2
A20N	1.5	3	1	3
H12E	1.8	4	8	4
H12L	1.9	5	6	5
A12S	2.08	6	7	6
B13L	2.13	7	3	7
A17N	2.5	8	5	8
A19G	2.8	9	10	9
M12P	2.9	10	4	10
H12D	5.0	11	9	11
H12L	7.3	12	12	12

Group absentee percentage was 2.6 per cent, remaining the same as the preceding week.

MINOR LEAGUE				
Dept.	Percentage Absent	4-17-49	4-10-49	Standing
A12D	0.0	1	1	1
A14J	0.0	1	2	2
A12R	0.0	1	4	3
A19N	0.0	1	6	4
M12M	0.0	1	14	5
A12N	0.0	1	15	6
M12S	0.6	2	5	7
M15P	1.6	3	3	8
B12A	2.05	4	7	9
A12M	2.12	5	8	10
A13N	2.8	6	12	11
A12W	2.9	7	10	12
A13W	3.75	8	1	13
A13T	3.75	8	13	14
A12T	4.0	9	11	15
A12A	4.7	10	9	16

Group absentee percentage was 1.9 per cent, .1 per cent lower than the preceding week.
The plant average for the week ending April 17 was 2.4 per cent, .1 per cent lower than the preceding week.

Manila 'Jeepney' Conductors Get Many Fractures

One of the most hazardous occupations in the Philippines now is being conductor of a "jeepney." Created after the war to ease crippled transportation in Manila, the "jeepney" is a vehicle with a 10-passenger body on a jeep chassis and is the city's chief means of public transportation as the Army sold thousands of them as surplus.
The hazard for the conductors exist as he must stand on the rear step of the vehicle when the carrier is in motion. As a result the conductor has little protection from cars approaching from the rear and are vulnerable to leg fractures when careless Filipino motorists bang into the "jeepney" from behind.

HOME SAFETY URGED

The Metropolitan Life Insurance Co. points out that home accidents are most frequent among children and old persons. It urges safe conditions be maintained in the home and good examples in safety be set for children to follow.

Additions To Y-12 Technical Library

MATHEMATICS

A Course of Analysis. Second edition. E. G. Phillips. Cambridge University Press, c1939. AQ 300, P558.

Theoretical Mechanics. Revised and amplified. J. Keller. Los Alamos University, 1946. QA 845, K 29.

METALLURGY

Bibliography of the Platinum Metals. 1931-40. James Lewis and the staff of Baker and Co., Inc. Newark, N. J., Baker and Co., c1949. QD 172.P8, H 856.

TECHNOLOGY

The Science and Engineering of Nuclear Power. Clark Goodman, editor. Cambridge, Addison-Wesley, c1949. TK 9145, G 653, Vol. II.

REFERENCE

Industrial Research. 1947. Percy Dunsheath, editor. London, Todd Reference Books, Ltd., n. d. T 177 G, D 926, Reference.

PAMPHLETS

Catalog of Auxiliary Publications in Microfilms and Photoprints. American Documentation Institute. ADI, 1946.

David and the Atomic Slingshot; The Story of the Cyclotron. Howard W. Blakeslee. (As told in Steelways, bi-monthly magazine of the American Iron and Steel Institute.) Reprinted for the USAEC 1949.

Health Problems in Medicine. The Institute of Industrial Medicine, 1948.

Letter Symbols for Physics. American Standard. Prepared by Sectional Committee on letter symbols and abbreviations for science and industry. Published by American Society of Mechanical Engineers, 1948.

A Spectrographic Method for the Determination of Absorption Coefficients. Graham W. Marks and Harold C. Lukens. U.S. Dept. of the Interior. Bureau of Mines. R. I. 4242, April, 1948.

RESEARCH CONTRACT LET

The Los Angeles Times reports that the Atomic Energy Commission has awarded a contract to North American Aviation, Inc., for research on materials suitable for practical application of atomic power. A company spokesman explained that the materials must withstand the terrific heat of atomic energy when used as a propellant.

Work Is Underway In Cleanup Campaign

(Continued from Page 1)

Hughey is seeking cooperation and advice from employees throughout the plant in an effort to make the observance a success. Anyone with suggestions is urged to communicate with Chief Hughey at telephone 7-8330 or see him at Fire Department headquarters.

Cooperation of Y-12 employees in the fire prevention program of the plant and the cleanup activities in the past has brought high honors in the last two years. In 1947 the fire prevention program was rated second best among the industrial plants of the country and in 1948 the program tied for first place in the annual competition held by the National Fire Protection Association.

Atomic Energy Commissioner Hits Speculation On Bomb

(Continued From Page 1)

disclosures on the atomic bomb placed the size of the explosive core of an atomic bomb as (1) the size of a pea (2) golf ball (3) softball (4) grapefruit, pink. It all sounded silly, the commissioner said.

Faces Quick Trip To Jail

Commissioner Pike declared that if anyone really knew the size and weight of the insides of the bomb, or such things as the rate of bomb production and the size of the atomic bomb stockpile—"if a fellow really did know and told, he'd be rushed off to jail awfully quick."

"The law against telling atomic secrets," the commissioner added, "is a mighty tough law."

"Authors" Dodge Issue

The kind of speculation rapped by the commissioner is that which claims to be "factual." He said that authors always disclaim any official knowledge and the legal jeopardy that goes with it. However, he continued, they usually assert that "any scientist" can figure out all anybody needs to know about the bomb by merely studying the officially approved Smyth Report.

ATOMIC EDUCATION URGED

The United States Office of Education has appealed to all schools to give instruction in atomic energy. The Atomic Energy Commission is putting out educational kits with reprints of articles based on its reports to aid in the project.

Drinking Driver Worst Menace Of Highways



The end of an American week now has become to mean an end of lives—in traffic accidents. Statistics show 40 per cent of traffic deaths and 35 per cent of motor vehicle injuries occur on week ends.

Week-end drivers and pedestrians make every mistake in the book. All dangerous conditions are present and in addition is the menace of the drinking driver—apparently more prevalent over week ends than at other times.

Stern enforcement of laws against drunken driving and preventative publicity on not mixing alcohol and gasoline is helping to reduce this menace. However, a great deal of the difficulty comes from drivers who "wouldn't think of driving when I'm drunk." To them there is no danger in driving after one or two, or a "few" drinks.

It is these drivers, not the stumbling drunk, who cripple and kill in motor vehicle accidents. Experience has definitely taught that reactions, perceptions and attitudes of drivers all are changed after one or two drinks—whether the person call themselves just "felling good" or "a little tight."

One of the greatest marksmen of the FBI was passing through a small town, and everywhere he saw evidences of the most amazing shooting. On trees, on walls, and on fences there were numberless bullet holes in the absolute center. He asked to meet the person responsible for this great marksmanship.

The man turned out to be the village idiot.

"This is the most wonderful marksmanship I have ever seen," said the FBI man. "How in the world do you do it?"

"Easy as pie," said the village idiot. "I shoot first and draw the circles afterward."

A temper is the most dangerous explosive known to man.

Dr. Larson Praises Y-12 Safety Record

(Continued From Page 1)

uled to reach the 250 mark at the end of this week which will bring employees of the plant nearer and nearer to the 3,000,000 man-hours worked mark without such a mishap. However, Supervision and employees throughout Y-12 have expressed determination not to relax even after this mark has been reached. They point out that it is not so much the goal of any certain numbers of accident-free hours and days that is important as is continuance of the trend so that the loss of time and ensuing impairment of health resulting from lost time accidents can be avoided by every employee in Y-12.

Simple Ceremonies Held

The unveiling ceremonies were simple, but impressive. Fire Chief John W. Hughey and Chief Safety Engineer C. G. Henderson pulled the cords that unveiled the display from behind a curtain on which the green "Universal Safety" emblem was shown. Dr. Larson then made his short talk in which he commended his fellow workers and explained the significance of the awards.

Interest in the safety achievements of Y-12 employees and the plaque unveiling program spread to gain newspaper and radio recognition during the past week. The Oak Ridger, both Knoxville newspapers and Radio Station WATO in Oak Ridge all reported the event.

The display was moved this week to the Bldg. 9212 Cafeteria and the Union Carbide plaque will be placed on permanent display at a location to be selected at the North Portal where it can be viewed by all employees entering the plant area.

Blind Scout Prove Adept In Texas Troop

Blindness is not a bar to membership in an Austin, Tex., Boy Scout troop, a recent news story from that city has revealed. In the story Scoutmaster Charles R. Young is quoted as saying that Austin has the only troop of blind boys in Texas and one of the few in the country.

The blind Austin scouts work leather, make model airplanes and build things with hammer and saw. Except for a few exceptions, the troop, stationed at the Texas School for the Blind, pass the same tests to receive merit badges and work at the same hobbies as Boy Scouts with normal sight.

Only the rank of Eagle Scout is out of reach of the blind scouts and they cannot pass life saving tests or engage in bird study, the scoutmaster reports. Otherwise, the blind boys go on camping trips, pitch tents and cook outdoors.

AID TO SCIENCE SEEN

Herbert B. Nichols, writing in The Christian Science Monitor, believes that with completion of the new nuclear reactor at the Brookhaven National Laboratory of the Atomic Energy Commission that nuclear science can make rapid strides toward practical applications that will result in greater productivity in agriculture, better medical methods and improved industrial processes.

Distances From Oak Ridge 'Zero Milepost' Given On Map Prepared By AEC As Assistance To Motorist

If you are planning to go some place, starting from "zero milepost" at the corner of Scarboro Road and the Oak Ridge Turnpike, the Atomic Energy Commission has compiled a table of distances that might be of interest.

Suppose Knoxville is the destination of the motorists. Starting from the "zero milepost" it is 24.5 miles to go through Elza Gate and Clinton and over U. S. 25-W to the Knox County seat. By the way of the Solway Gate and Solway Road the distance is only 22.5 miles.

Several Routes To Chattanooga

Several available routes are listed from Oak Ridge to Chattanooga. The shortest distance is 104.2 miles via Gallahar Gate, U. S.

70 to Rockwood and U. S. 27, but this route only can be used by persons with access to the AEC control area. However, it is only 104.8 miles via Oliver Springs and Harriman to Rockwood, thence to Chattanooga via U. S. 27.

Chattanooga-bound motorists choosing to use the Gallahar exit and access road to U. S. 70 and thence over State Road No. 58 from Kingston will travel 105.1 miles. It is 113.9 miles if the driver goes through Oliver Springs and Harriman and then cuts east on U. S. 70 back to Kingston.

Motorists preferring to go to Chattanooga over U. S. 11 will find the closest route is via Solway Road and Solway Cutoff to U. S. 70 and U. S. 11, thence to Dixie Lee

Junction and on south. It is 114.7 miles this way.

Not Much Difference To Capital

If Nashville is the objective from "zero milepost" then the closest way is through Gallahar Gate, Kingston and U. S. 70. It is 180.2 miles this way but only 180.8 miles around through Oliver Springs and Harriman. Drivers using the Solway routes to U. S. 70 will have to ride 196.8 miles to the state capital.

Oak Ridge employees with credentials to use the Gallahar Gate and coming from Kingston to the Atomic City will find the distance only 21.1 miles. However, if they go by way of Harriman and Oliver Springs it is 30.9 miles while via Solway it is 38.1 miles.